

ABSTRACT

An orthopaedic skeletal joint demonstration aid (1) is provided for demonstrating surgical orthopaedic techniques and comprises first and second joint portions (11, 12) capable of being manipulated relative to one another to mimic the action of a skeletal joint. The first joint portion (11) is detachably secured to one end of an elongate first shaft portion (2) to enable replacement of the first joint portion (11). Furthermore an adjustable holding mechanism (5) is provided for holding a part of the first shaft portion (2) remotely of said one end in a required position such that the first joint portion (11) is at the correct anatomical orientation for the purposes of the required surgical orthopaedic procedure. The holding mechanism (5) comprises an adjustable ball and socket joint and a locking mechanism for locking the ball and socket joint when the first shaft portion (2) is in the required position. In addition a foot plate (6) is provided for holding the second joint portion, and the second shaft portion (3) to which it is detachably connected, in the required position.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/064010 A2

(51) International Patent Classification⁷: G09B 23/32, 23/34

(21) International Application Number:
PCT/GB2004/000137

(22) International Filing Date: 13 January 2004 (13.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0300703.6 13 January 2003 (13.01.2003) GB

(71) Applicant and

(72) Inventor: BROWNE-WILKINSON, Oliver [GB/GB];
34 Newburgh Road, Acton, London W3 6DQ (GB).

(74) Agents: HARDING, Richard, Patrick et al.; Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford, Oxfordshire OX4 2RU (GB).

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

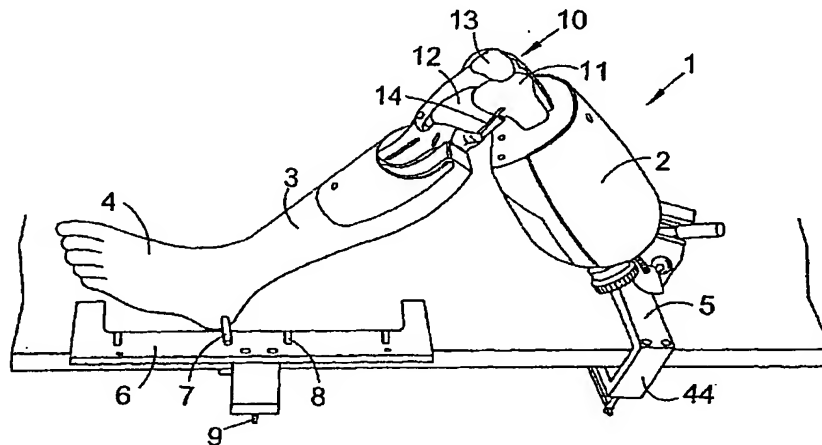
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ORTHOPAEDIC DEMONSTRATION AID



(57) Abstract: An orthopaedic skeletal joint demonstration aid (1) is provided for demonstrating surgical orthopaedic techniques and comprises first and second joint portions (11, 12) capable of being manipulated relative to one another to mimic the action of a skeletal joint. The first joint portion (11) is detachably secured to one end of an elongate first shaft portion (2) to enable replacement of the first joint portion (11). Furthermore an adjustable holding mechanism (5) is provided for holding a part of the first shaft portion (2) remotely of said one end in a required position such that the first joint portion (11) is at the correct anatomical orientation for the purposes of the required surgical orthopaedic procedure. The holding mechanism (5) comprises an adjustable ball and socket joint and a locking mechanism for locking the ball and socket joint when the first shaft portion (2) is in the required position. In addition a foot plate (6) is provided for holding the second joint portion, and the second shaft portion (3) to which it is detachably connected, in the required position.